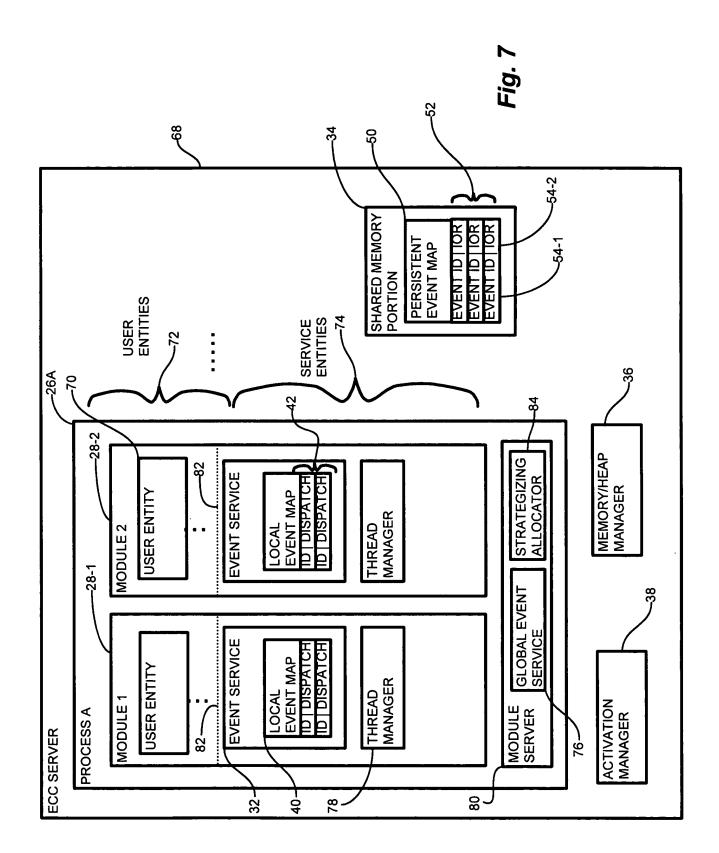
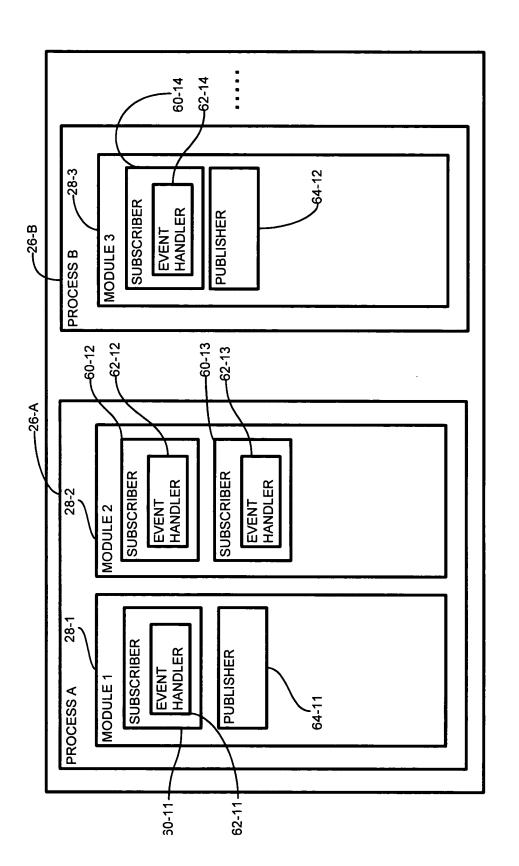


Fig. 6





DEFINE A PLURALITY OF EVENTS, THE PLURALITY OF EVENTS
ASSOCIATED WITH A GENERICIZING REFERENCE, THE GENERICIZING
REFERENCE INCLUSIVE OF THE PLURALITY OF EVENTS AND EACH
OF THE EVENTS ASSOCIATED WITH AN EVENT SPECIFIC CLASS
HAVING EVENT DATA INDICATIVE OF EVENT SPECIFIC PARAMETERS

301

ENUMERATE A PLURALITY OF EVENTS, WHEREIN THE EVENT FURTHER COMPRISES THE PLURALITY OF EVENTS ASSOCIATED WITH THE COMMON GENERICIZING REFERENCE INCLUSIVE OF THE PLURALITY OF EVENTS, AND WHEREIN RECEIVING THE EVENT SUBSCRIPTION AVOIDS EVENT SPECIFIC CODE GENERATION OF CODE AND CODE FRAGMENTS ASSOCIATED WITH THE SPECIFIC EVENT

302

COMMON GENERICIZING REFERENCE AND ASSOCIATED EVENT SPECIFIC CLASS AVOIDS EVENT SPECIFIC STUBS AND REFERENCES RELATED TO THE EVENT SPECIFIC CLASS

303

EVENT DATA INCLUDES EVENT VARIABLES GENERATED AND PASSED BY THE PUBLISHER OF THE EVENT AND SUBSCRIBER INSTANTIATED VARIABLES GENERATED BY THE STATE INFORMATION OF THE SUBSCRIBER

304

ASSOCIATE THE EVENT IDENTITY WITH AN EVENT HANDLER RESPONSIVE TO THE EVENT BY CREATING A MAPPING OF THE EVENT IDENTITY TO THE EVENT HANDLER

305

ASSOCIATE THE EVENT IDENTITY WITH AN EVENT HANDLER IN A NATIVE LANGUAGE OF THE EVENT HANDLER AND CORRESPONDING SUBSCRIBER, AND AVOID A CORRESPONDING DEFINITION IN AN EXTERNAL INTERFACE LANGUAGE, THE EXTERNAL INTERFACE LANGUAGE FOR GENERATING EVENT SPECIFIC CODE

306
EXTERNAL INTERFACE LANGUAGE IS THE
OBJECT MANAGEMENT GROUP INTERFACE
DEFINITION LANGUAGE (OMG/IDL)

307

CREATE A MAPPING WITH THE EVENT HANDLER FURTHER
COMPRISES CREATING, VIA A COMPONENT EVENT SERVICE, A LOCAL
MAPPING ENTRY IN THE COMPONENT EVENT MAP HAVING A
REFERENCE TO THE SUBSCRIBER ENTITY INCLUDING THE
CORRESPONDING EVENT HANDLER

308

GENERATE A PERSISTENT EVENT MAPPING
IDENTIFYING THE MODULE INCLUDING THE EVENT
HANDLER CORRESPONDING TO THE EVENT IDENTITY

309

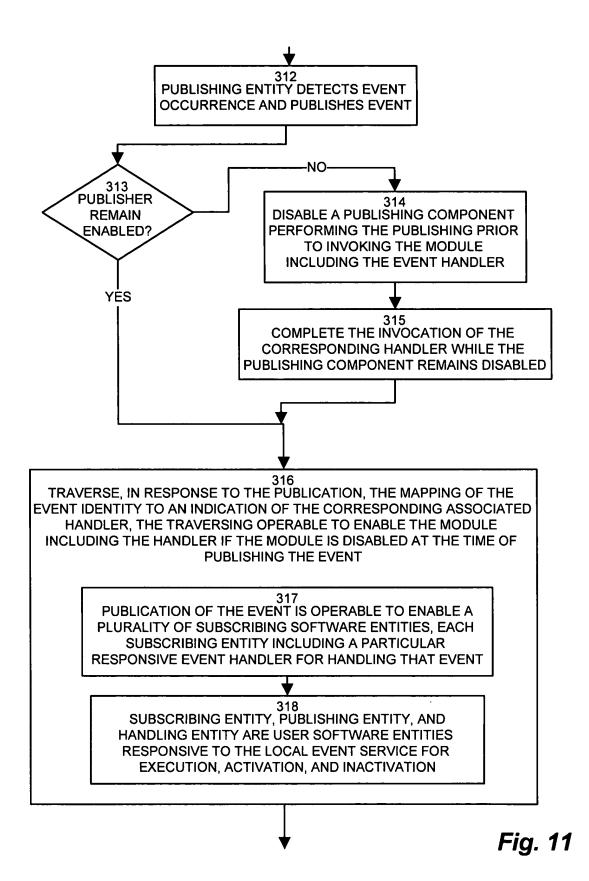
CREATE A PERSISTENT MAPPING ENTRY CORRESPONDING TO THE COMPONENT INCLUDING THE CORRESPONDING EVENT HANDLER, THE PERSISTENT MAPPING ENTRY OPERABLE TO TRIGGER SELECTIVE ENABLEMENT OF THE HANDLING COMPONENT BY A PLURALITY OF SUBSCRIBING ENTITIES

310

SELECTIVELY GENERATE THE PERSISTENT EVENT MAPPING VIA A STRATEGIZED ALLOCATOR IF THE ASSOCIATING OF THE EVENT IDENTITY OCCURS IN A SINGLE MODULE

311

IDENTIFY AT LEAST ONE OF THE PERSISTENT MAPPING ENTRIES
CORRESPONDING TO THE PUBLISHED EVENT, EACH OF THE
MAPPING ENTRIES INDICATIVE OF A MODULE



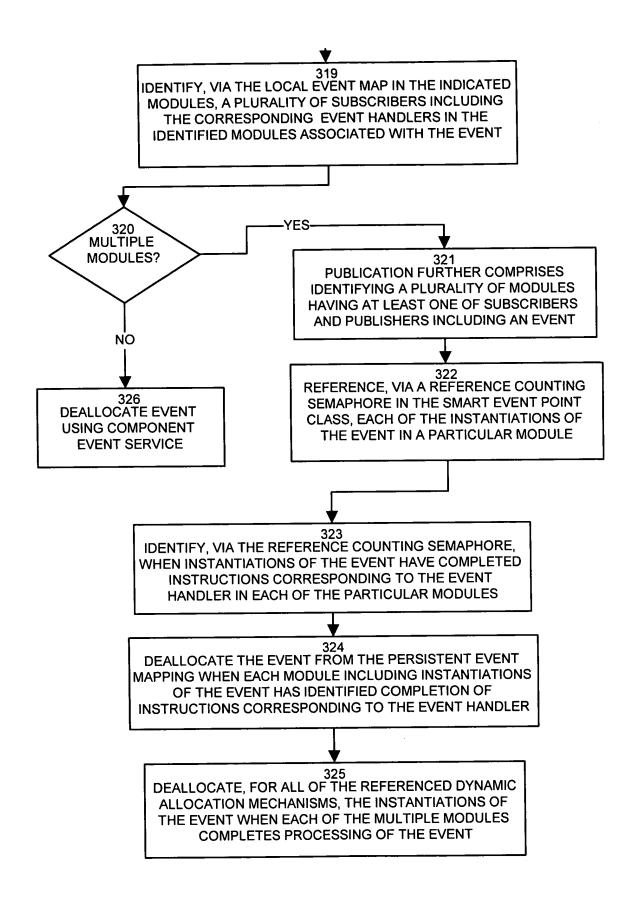


Fig. 12